

Product datasheet for **RC211244L4V**

Sodium Iodide Symporter (SLC5A5) (NM_000453) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sodium Iodide Symporter (SLC5A5) (NM_000453) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Sodium Iodide Symporter
Synonyms:	NIS; TDH1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000453
ORF Size:	1929 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211244).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000453.1
RefSeq Size:	3594 bp
RefSeq ORF:	1932 bp
Locus ID:	6528
UniProt ID:	Q92911
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome, Transmembrane

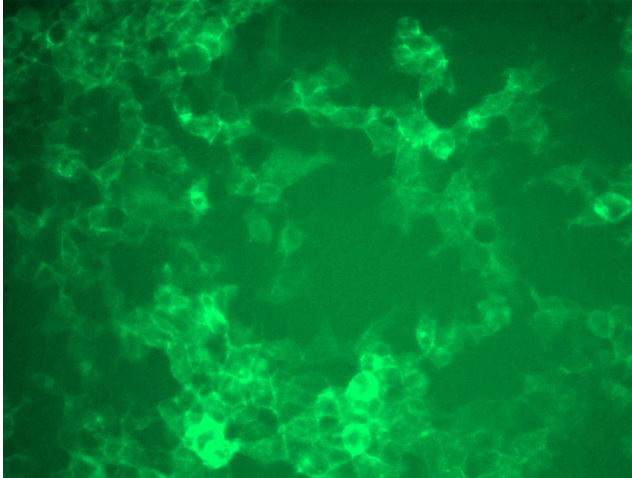


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MW: 68.7 kDa

Gene Summary: This gene encodes a member of the sodium glucose cotransporter family. The encoded protein is responsible for the uptake of iodine in tissues such as the thyroid and lactating breast tissue. The iodine taken up by the thyroid is incorporated into the metabolic regulators triiodothyronine (T3) and tetraiodothyronine (T4). Mutations in this gene are associated with thyroid dysmorphogenesis 1.[provided by RefSeq, Sep 2009]

Product images:



[RC211244L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC211244L4V particle to overexpress human SLC5A5-mGFP fusion protein.